

- PATENT COOPERATION TREAT

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of	f Transmittal of International Search Report
ABL-015-PCT	ACTION (Form PCT/ISA/2	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/BE 03/00194	07/11/2003	08/11/2002
Applicant		
ABLYNX N.V.		•
ADLINA N.V.		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth	ority and is transmitted to the applicant
This International Search Report consists X It is also accompanied by	of a total of6 sheets. a copy of each prior art document cited in this i	report.
	140	
Basis of the report With regard to the lenguage the i	nternational search was carried out on the basi	
language in which it was filed, unle	ess otherwise indicated under this item.	s of the international application in the
the international search was Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	e international application furnished to this
b. With regard to any nucleotide and	d/or amino acid sequence disclosed in the inte	ernational application, the international search
was carried out on the basis of the contained in the internation	sequence listing : nal application in written form.	
filed together with the inter	national application in computer readable form	
	this Authority in written form.	
	this Authority in computer readble form. sequently furnished written sequence listing do	as not an havened the disclosure in the
international application as	filed has been furnished.	
X the statement that the infor furnished	mation recorded in computer readable form is i	dentical to the written sequence listing has been
2. X Certain claims were foun	d unsearchable (See Box I).	
3. Unity of invention is lack	ing (see Box II).	
4. With regard to the title ,		
X the text is approved as sub	mitted by the applicant.	
the text has been establish	ed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as sub	mitted by the applicant. ed, according to Rule 38.2(b), by this Authority	as it appears in Pay III. The applicant may
within one month from the	date of mailing of this international search repo	t, submit comments to this Authority.
6. The figure of the drawings to be publis	hed with the abstract is Figure No.	1
as suggested by the applica		None of the figures.
because the applicant failed because this figure better c	-	
L because this figure better c	naraoton263 tris invention.	

INTERNATIONAL SEARCH REPORT

International Application No PCT/BE 03/00194

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07K16/24 C07K16/28 C12N15/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, MEDLINE, EMBASE

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
D .	WO 99/09055 A (INNOGENETICS NV ;SABLON ERWIN (BE); BUYSE MARIE ANGE (BE)) 25 February 1999 (1999-02-25) page 24, line 25-28 page 26, last paragraph -page 27, paragraph 1	1-7,11, 14-21, 25-49	
y 02	MUYLDERMANS S: "SINGLE DOMAIN CAMEL ANTIBODIES: CURRENT STATUS" REVIEWS IN MOLECULAR BIOTECHNOLOGY, ELSEVIER, AMSTERDAM,, NL, vol. 74, no. 4, June 2001 (2001-06), pages 277-302, XP001057480	1-3,11, 14-21, 25-49	
Y	ISSN: 1389-0352 page 280, left-hand column, paragraph 1 -page 296, right-hand column, paragraph 1 page 296, right-hand column -page 297, right-hand column, paragraph 1; table 1/	4-7	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search 5 May 2004	Date of mailing of the international search report $08/06/2004$
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer ALCONADA RODRIG, A

INTERNATIONAL SEARCH REPORT

International Application No CT/BE 03/00194

		CT/BE 03/00194		
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category -	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	WO 90/10707 A (JONKER MARGREET ;MEIDE PETRUS HENDRIKUS V D (NL)) 20 September 1990 (1990-09-20) page 3, paragraph 2 page 4, last paragraph -page 5, paragraph 1	8,12,13		
02-	WO 99/23221 A (HOWELL STEVEN ;UNILEVER PLC (GB); LEDEBOER ADRIANUS MARINUS (NL);) 14 May 1999 (1999-05-14) claim 10	9,10		
	ELS CONRATH K ET AL: "Camel single-domain antibodies as modular building units in bispecific and bivalent antibody constructs" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 276, no. 10, 9 March 2001 (2001-03-09), pages 7346-7350, XP002248402 ISSN: 0021-9258 the whole document	4-13		

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 22-24 (complete) and 25-26 and 39 (in part)

Present claims 22-24 (completely) and 25, 26 and 39 (in part) relate to an agent defined by reference to a desirable characteristic or property, namely, that it can be identified according to the methods of claims 18-20. The claims cover all agents having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT for none of such agents. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the agent by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search of the claimed scope impossible. Consequently, the search has not been carried out for those claims or parts thereof.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Interr	national Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X C	claims Nos.: ecause they relate to subject matter not required to be searched by this Authority, namely:
Į	Although claims 25, 27, 29, 31, 33, 35, 37 and 39 are directed to a method or creatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
	laims Nos.: 22-24 (complete) and 25-26 and 39 (in part) ecause they relate to parts of the International Application that do not comply with the prescribed requirements to such a extent that no meaningful International Search can be carried out, specifically:
	ee FURTHER INFORMATION sheet PCT/ISA/210
3. CI	aims Nos.: cause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
·	
Box II O	oservations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Interna	tional Searching Authority found multiple inventions in this international application, as follows:
1. As sea	all required additional search fees were timely paid by the applicant, this International Search Report covers all irchable claims.
2. As of a	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment ny additional fee.
3. As cov	only some of the required additional search fees were timely paid by the applicant, this International Search Report ers only those claims for which fees were paid, specifically claims Nos.:
4. No rest	required additional search fees were timely paid by the applicant. Consequently, this International Search Report is ricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on F	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/BE 03/00194

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9909055	Α	25-02-1999	AU	9262598 A	08-03-1999
			CA	2297692 A1	25-02-1999
			WO	9909055 A2	25-02-1999
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			CA	2011893 A1	09-09-1990
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			EP	0387095 A1	12-09-1990
			GB	2247837 A ,B	18-03-1992
			JP	4505010 T	03-09-1992
			ZA	9001854 A	27-11-1991
WO 9923221	Α	14-05-1999	AU	2152299 A	24-05-1999
			BR	9813276 A	22-08-2000
			CN	1278300 T	27-12-2000
			WO	9923221 A2	14-05-1999
			EP	1027439 A2	16-08-2000
			US	2003092892 A1	15-05-2003